Title (en)
SYSTEM AND METHOD FOR UNIPOLAR SEPARATION OF EMULSIONS AND OTHER MIXTURES

Title (de)
SYSTEM UND VERFAHREN ZUR UNIPOLAREN TRENNUNG VON EMULSIONEN UND ANDEREN MISCHUNGEN

Title (fr)
SYSTÈMES ET PROCÉDÉS POUR LA SÉPARATION UNIPOLAIRE D'ÉMULSIONS ET AUTRES MÉLANGES

Publication
EP 2986390 A1 20160224 (EN)

Application
EP 14726272 A 20140416

Priority
- US 201361812700 P 20130416
- US 2014034432 W 20140416

Abstract (en)
[origin: WO2014172504A1] Embodiments discussed herein relate to systems and methods for separating two or more phases of an emulsion or other mixture. The methods include providing the mixture with a net and unipolar charge (e.g., such that adjacent droplets therein acquire net and unipolar charges), thereby enhancing coalescence of like-phase droplets therein and producing, or enhancing the production of, two or more consolidated phases; and collecting the two or more consolidated phases.

IPC 8 full level
B03C 5/02 (2006.01); **B01D 17/06** (2006.01); **B03C 11/00** (2006.01); **C10G 33/02** (2006.01)

CPC (source: EP IL US)
B01D 17/045 (2013.01 - IL US); **B01D 17/047** (2013.01 - IL US); **B01D 17/06** (2013.01 - EP IL US); **B03C 5/026** (2013.01 - EP US);
B03C 11/00 (2013.01 - EP US); **C07K 1/14** (2013.01 - US); **C10G 33/02** (2013.01 - EP US); **C12N 13/00** (2013.01 - US);
C12N 15/1003 (2013.01 - US); B03C 2201/02 (2013.01 - US)

Citation (search report)
See references of WO 2014172504A1

Citation (examination)
- WO 8504818 A1 19851107 - EXXON RESEARCH ENGINEERING CO [US]
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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2014172504 A1 20141023; AU 2014253957 A1 20151008; AU 2014253957 B2 20181101; AU 2019200613 A1 20190221;
BR 112015025890 A2 20170725; BR 112015025890 A8 20200114; CA 2907486 A1 20141023; CN 105555412 A 20160504;
CN 105555412 B 20190122; CN 110038726 A 20190723; EP 2986390 A1 20160224; IL 241760 B 20190530; JP 2016518977 A 20160630;
JP 2019198867 A 20191121; KR 20150143734 A 20151223; MX 2015014402 A 20151207; RU 2015140734 A 20170517;
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US 9427679 B2 20160830; US 9975064 B2 20180522; ZA 201507048 B 20170927; ZA 201700327 B 20190925

DOCDB simple family (application)
US 2014034432 W 20140416; AU 2014253957 A 20140416; AU 2019200613 A 20190130; BR 112015025890 A 20140416;
CA 2907486 A 20140416; CN 201480029126 A 20140416; CN 201811621367 A 20140416; EP 14726272 A 20140416; IL 24176015 A 20150921;
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US 201414254863 A 20140416; US 201615220203 A 20160726; US 201815955870 A 20180418; US 201816180432 A 20181105;
ZA 201507048 A 20150922; ZA 201700327 A 20170116